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tant part in it throughout. The flora of the Potomac Formation is represented in part by the most ancient dicotyledonous angiosperms of which we have any knowledge—archaic types, in which the outlines of subsequent modern genera are foreshadowed. The following new species are figured: *Scleropteris Vernonensis*, *Zamia Washingtoniana*, *Casuarina Covillei*, *Sagittaria Victor-Masoni*, *Antholithus Gaudium-Rosae*, *Populus Potomacensis*, *P. auriculata* and *Celastrorhynchium Hunteri*.

As a demonstration of the value of palaeobotany in determining the stratigraphic relations of beds this contribution is a masterpiece and its appearance will be welcomed by all workers in the geology and palaeontology of the central plain region.

A. H.

### Proceedings of the Club.

TUESDAY EVENING, APRIL 9TH, 1896.

President Brown in the chair and thirty members present.

Miss Fanny A. Mulford and Mr. Charles W. Mulford were elected active members.

Dr. Schneider read his announced paper, "The Uses of Lichens," giving an instructive account of the past and present uses of these plants in medicine and the arts.

The next paper was that of Mr. P. A. Rydberg entitled "Preliminary notes on a Revision of the North American Species of *Potentilla* and related Genera." This was accompanied by numerous specimens and drawings and elicited remarks from the President and Mrs. Britton.

Mrs. Britton then read a paper, "Notes on Mexican Mosses," giving a short historical account of the various collections of mosses which have been made in Mexico and in comparing the number of genera and species common to Mexico and the United States. Numerous specimens were exhibited.

WEDNESDAY EVENING, APRIL 29TH, 1896.

President Brown in the chair and sixty-four persons present.

Dr. Britton announced his associates on the Field Committee

as Messrs. Fay and Stottler. He reported eighteen persons present at the Field meeting of April 25th, at Prince's Bay, S. I.

Major Timothy E. Wilcox, of Fort Schuyler, N. Y., then read his paper, "Botanizing in Arizona," describing many of the little known plants of that Territory, and ascribing to some of them quite new economic values. Lantern slides from original photographs were shown.

Mr. Cornelius Van Brunt rapidly exhibited a number of colored lantern slides of plants growing in the city parks, accompanying them with short descriptions and anecdotes. Most of these slides had never been exhibited before. In response to a request, he described how Mrs. Van Brunt had colored these slides entirely by hand, by the use of aniline pigments, the ordinary gelatine plates being used for the photographs.

#### Index to recent Literature relating to American Botany.

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- Brun, J.** Diatomées Miocènes. Le Diatomiste, 2: 229-247. Mr. 1896.
- Carruth, J. H.** Report on the Botany of Kansas for the year 1873. Trans. Kansas Acad. Sci. 1: 74-79. 1895.
- Comes, N. O.** Novae systemationis var. *Nicotianae Tabaci* et *rusticae* tentamen. Hort. Bot. Porticensis. 4to. pp. 18. 1895.
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- Davis, B. M.** The Fertilization of *Batrachospermum*. Ann. Bot. 10: 49-76. *pl.* 6, 7. Mr. 1896.
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